

Referent in the domain of production lapping/polishing and material finishing, LAM PLAN has also been manufacturing and selling consumables dedicated to double-side polishing applications with the range of ECOA® liquids and TOUCHLAM® supports. In continuity of our approach in proposing complete process: products/machines/methods to our customers, we have developed a double-side range of machines to make you benefit from LAM PLAN's experience obtained over the past 60 years.



## MASTERLAM®

Small series & double-side prototyping  
for parts: Ø 5 to 20 mm

A security housing is proposed in option. This entirely transparent cover assures a protection of the moving parts without distorting the surveillance of the operator during the cycle. Once open, the work space becomes perfectly accessible.



The MASTERLAM® Evolution can be equipped with the MASTERLAM® series secured transparent housing.

Lifting and lowering of the superior plate with pneumatic cylinder



## MASTERLAM® Evolution

In order to answer to double-side polishing issues in small series or development phase, LAM PLAN proposes the MASTERLAM® Evolution, an original and innovating approach for double-side polishing.

The MASTERLAM® Evolution is a compact and economical solution for double-side polishing, to realise high quality polishing on any kind of small parts. This equipment is particularly well-adjusted for the finishing of watch components in small series, pre-series or prototyping.

### Description

The MASTERLAM® Evolution is based on a simple kinematic proposing 2 movements: clock-wise or anti-clockwise rotation of the superior plate and the main cogwheel with speed programming. These 2 movements will allow you to respond to most of your needs in terms of polishing of small series of all types of materials.

### Touch screen control panel

The 5.7 inches' touch screen in this machine will enable you to manage all the settings: cycle time, rotational speed, rotation movement, pressure during cycle and abrasives distribution sequences. This intuitive screen is also offering you the possibility to save more than 300 operating ranges. A water rinse phase is also possible at the end of the cycle.

### A well-equipped and safe machine

The MASTERLAM® Evolution outer ring gear is made of 316 L stainless steel, assuring a durability of the moving parts. The machine is also equipped with two FAS® plates facilitating the setting up of the polishing cloths.

Technical data	MASTERLAM® Evolution
Plate Capacity	7 carriers track Ø 250 mm ext. Ø 130 mm int.
Useful capacity	7 satellites Ø 65 mm
Superior plate rotational speed	20 to 150 rpm; Bidirectional rotation
Cogwheel rotational speed	20 to 150 rpm; Bidirectional rotation
Cogwheel motor power	0.75 kW
Superior plate motor power	0.2 kW
Pressure	5 to 400 N
Required energies	230 V-50 Hz single-phase Compressed air 6 bars filtered 10 µm
Dimensions (WxHxD)	550 x 670 x 670 mm
Total power	2.5 kW
Noise level	< 80 db at 1 metre away
Weight	95 kg
Reference	60ML1EVO00